

APPENDIX B

STRUCTURES

NATIONAL BRIDGE INVENTORY

KENTUCKY INVENTORY AND APPRAISAL REPORT

Use of this document subject to 23 USC SEC 409

(8) STRUCTURE NUMBER: 058B00067N

*******IDENTIFICATION*******

(1) STATENAME: **KENTUCKY**
 (5) INVENTORY ROUTE (ON/UNDER): **131003210**
 (2) DISTRICT AGENCY DISTRICT: **12**
 (3) COUNTY CODE: **58** (4) PLACECODE: **0000**
 (6) FEATURES INTERSECTED: **PAINT CREEK**
 (9) LOCATION: **.05 MI S OF JCT KY 40**
 (11) MILE POINT: **8.69**
 (7) FACILITY CARRIED: **KY-321**
 (12) BASE HIGHWAY NETWORK: **On**
 (13) LRS INVENTORY ROUTE & SUBROUTE: **KY0321_00000**
 (16) LATITUDE: **37.8261451 N DEGREES**
 (17) LONGITUDE: **-82.825411 W DEGREES**
 (98) BORDER BRIDGE STATECODE **Unknown - %SHARED: Unknown**
 (99) BORDER BRIDGE STRUCTURE NUMBER:

*******CLASSIFICATION*******

(112) NBIS BRIDGE LENGTH: **Yes**
 (104) HIGHWAY SYSTEM: **0 - Inventory Route is not on the NHS**
 (26) FUNCTIONAL CLASS: **06 - Minor Arterial**
 (100) STRAHNET HIGHWAY: **0 - The inventory route is not a STRAHNET route**
 (101) PARALLEL STRU: **N - No parallel structure exists**
 (103) TEMPORARY STRUCTURE: **Not Applicable**
 (102) DIRECTION OF T: **2 - 2-way traffic**
 (105) FEDERAL LANDS HIGHWAYS: **0 - Not applicable**
 (110) DESIGNATED NATIONAL NETWORK: **0 - The inventory route is not part of the national network for trucks**
 (20) TOLL: **3 - On Free Road**
 (21) MAINTAIN: **01 - Not Coded**
 (22) OWNER: **01 - State Highway Agency**
 (37) HISTORICAL SIGNIFICANCE: **5 - Bridge is not eligible for the National Register of Historic Places**

*******STRUCTURE TYPE AND MATERIAL*******

(43) STRUCTURE TYPE MAIN: **602 - Prestressed concrete continuous Stringer/Multi-beam or Girder**
 (44) STRUCTURE TYPE APPR: **!Not Applicable -Not Coded**
 (45) NUMBER OF SPANS IN MAIN UNIT: **3**
 (46) NUMBER OF APPROACH SPANS: **0**
 (107) DECK STRUCTURE TYPE: **1 - Concrete Cast-in-Place**
 (108) WEARING SURFACE/PROTECTIVE SYSTEM
 (108A) TYPE OF WEARING SURFACE: **0 - None**
 (108B) TYPE OF MEMBRANE: **0 - None**
 (108C) TYPE OF DECK PROTECTION: **0 - None**

*******CONDITION*******

(58) DECK: **7**
 (59) SUPERSTRUCTURE: **7**
 (60) SUBSTRUCTURE: **8**
 (61) CHANNEL AND CHANNEL PROTECTION: **8**
 (62) CULVERTS: **N**

*******LOAD RATING AND POSTING*******

(31) DESIGN LOAD: **5 - HS 20**
 (63) OPERATING RATING METHOD: **1 - Load Factor**
 (64) OPERATING RATING: **72.0 Tons**
 (65) INVENTORY RATING METHOD: **1 - Load Factor**
 (66) INVENTORY RATING: **43.0 Tons**
 (70) BRIDGE POSTING: **5 - Equal to or above the legal loads**
 (41) STRUCTURE OPEN, POSTED OR CLOSED: **A - Open, no restriction**

*******AGE AND SERVICE*******

(27) YEAR BUILT: **1987**
 (106) YEAR RECONSTRUCTED: **0**
 (42A) TYPE OF SERVICE-ON: **1 - Highway**
 (42B) TYPE OF SERVICE-UNDER: **5 - Waterway**
 (28) LANES ON STRUCTURE: **4** UNDER STRUCTURE: **0**
 (29) AVERAGE DAILY TRAFFIC: **17100**
 (30) YEAR OF ADT: **2010** (109) TRUCK ADT%: **5**
 (19) BYPASS DETOUR LENGTH: **5 mi.**

*******APPRAISAL*******

(67) STRUCTURAL EVALUATION: **7**
 (68) DECK GEOMETRY: **9**
 (69) UNDERCLEARANCE, VERTICAL & HORIZONTAL: **N**
 (71) WATERWAY ADEQUACY: **8**
 (36) TRAFFIC SAFETY FEATURES: **1111**
 (113) SCOUR CRITICAL BRIDGES: **8**

*******GEOMETRIC DATA*******

(48) LENGTH OF MAXIMUM SPAN: **80.1 ft.**
 (49) STRUCTURE LENGTH: **202.1 ft.**
 (50) CURB OR SIDE WALK LEFT: **0.0 ft.** RIGHT: **0.0 ft.**
 (51) BRIDGE ROADWAY WIDTH CURB TO CURB: **82.0 ft.**
 (52) DECK WIDTH OUT TO OUT: **85.3 ft.**
 (32) APPROACH ROADWAY WIDTH (W/SHOULDERS): **82.0**
 (33) BRIDGE MEDIAN: **No**
 (34) SKEW: **0** STRUCTURED FLARED: **No**
 (10) INVENTORY ROUTE MIN VERT CLEAR: **100.0 ft.**
 (47) INVENTORY ROUTE TOTAL HORIZ CLEAR: **81.6 ft.**
 (53) MIN VERT CLEAR OVER BRIDGE RDWY: **99.99 ft.**
 (54) MIN VER UNDER CLEAR REF: **N (b) 0 ft.**
 (55) MIN LAT UNDER CLEAR RT REF: **N (b) 0 ft.**
 (56) MIN LAT UNDER CLEAR LEFT: **0 ft.**

*******PROPOSED IMPROVEMENTS*******

(75) TYPE OF WORK: **Unknown**
 (76) LENGTH OF STRUCTURE IMPROVEMENT: **0 ft.**
 (94) BRIDGE IMPROVEMENT COST: **\$0.00**
 (95) ROADWAY IMPROVEMENT COST: **\$0.00**
 (96) TOTAL PROJECTION COST: **\$0.00**
 (97) YEAR OF IMPROVEMENT COST ESTIMATE: **2000**
 (114) FUTURE ADT: **25479**
 (115) YEAR OF FUTURE ADT: **2030**

*******INSPECTIONS*******

(90) INSPECTION DATE: **2/18/2010**
 (92) CRITICAL FEATURE INSPECTION:
 (92A) FRACTURE CRITICAL DETAIL: **N**
 (92B) UNDERWATER INSPECTION: **N**
 (92C) OTHER SPECIAL INSP: **N**
(91) FREQUENCY: 24 months
 (93) CFI DATE:
 (93A): **1/1/1901**
 (93B): **3/1/2005**
 (93C): **1/1/1901**

*******NAVIGATION DATA*******

(38) NAVIGATION CONTROL: **0 - No navigation control on waterway**
 (111) PIER PROTECTION: **1 - Navigation protection not required**
 (39) NAVIGATION VERTICAL CLEARANCE: **0.0 ft.**
 (116) VERT-LIFT BRIDGE NAV MIN VERT CLEARANCE: **ft.**
 (40) NAVIGATION HORIZONTAL CLEARANCE: **0.0 ft.**

SUFFICIENCY RATING: 93.60
STATUS: 0 - Not Deficient

NATIONAL BRIDGE INVENTORY

KENTUCKY INVENTORY AND APPRAISAL REPORT

Use of this document subject to 23 USC SEC 409

(8) STRUCTURE NUMBER: 058B00047N

******IDENTIFICATION******

(1) STATE NAME: **KENTUCKY**
 (5) INVENTORY ROUTE (ON/UNDER): **136003210**
 (2) DISTRICT AGENCY DISTRICT: **12**
 (3) COUNTY CODE: **58** (4) PLACE CODE: **1525**
 (6) FEATURES INTERSECTED: **PAINT CREEK**
 (9) LOCATION: **.15MI N OF S-JCT US23&460**
 (11) MILE POINT: **0.15**
 (7) FACILITY CARRIED: **KY-321X**
 (12) BASE HIGHWAY NETWORK:
 (13) LRS INVENTORY ROUTE & SUBROUTE:
 (16) LATITUDE: **37.813075319 N DEGREES**
 (17) LONGITUDE: **-82.805803786 W DEGREES**
 (98) BORDER BRIDGE STATE CODE: **Unknown - %SHARED: Unknown**
 (99) BORDER BRIDGE STRUCTURE NUMBER:

******STRUCTURE TYPE AND MATERIAL******

(43) STRUCTURE TYPE MAIN: **302 - Steel Stringer/Multi-beam or Girder**
 (44) STRUCTURE TYPE APPR: **!Not Applicable -Not Coded**
 (45) NUMBER OF SPANS IN MAIN UNIT: **4**
 (46) NUMBER OF APPROACH SPANS: **0**
 (107) DECK STRUCTURE TYPE: **1 - Concrete Cast-in-Place**
 (108) WEARING SURFACE/PROTECTIVE SYSTEM
 (108A) TYPE OF WEARING SURFACE: **3 - Latex Concrete or similar additive**
 (108B) TYPE OF MEMBRANE: **0 - None**
 (108C) TYPE OF DECK PROTECTION: **0 - None**

******AGE AND SERVICE******

(27) YEAR BUILT: **1936**
 (106) YEAR RECONSTRUCTED: **0**
 (42A) TYPE OF SERVICE-ON: **1 - Highway**
 (42B) TYPE OF SERVICE-UNDER: **5 - Waterway**
 (28) LANES ON STRUCTURE: **2** UNDER STRUCTURE: **0**
 (29) AVERAGE DAILY TRAFFIC: **5460**
 (30) YEAR OF ADT: **2010** (109) TRUCK ADT%: **8**
 (19) BYPASS DETOUR LENGTH: **3.1 mi.**

******GEOMETRIC DATA******

(48) LENGTH OF MAXIMUM SPAN: **69.9 ft.**
 (49) STRUCTURE LENGTH: **294.9 ft.**
 (50) CURB OR SIDE WALK LEFT: **0.0 ft.** RIGHT: **4.6 ft.**
 (51) BRIDGE ROADWAY WIDTH CURB TO CURB: **24.0 ft.**
 (52) DECK WIDTH OUT TO OUT: **28.9 ft.**
 (32) APPROACH ROADWAY WIDTH (W/SHOULDERS): **24.0**
 (33) BRIDGE MEDIAN: **No**
 (34) SKEW: **0** STRUCTURED FLARED: **No**
 (10) INVENTORY ROUTE MIN VERT CLEAR: **100.0 ft.**
 (47) INVENTORY ROUTE TOTAL HORIZ CLEAR: **23.9 ft.**
 (53) MIN VERT CLEAR OVER BRIDGE RDWY: **99.99 ft.**
 (54) MIN VER UNDER CLEAR REF: **N (b) 0 ft.**
 (55) MIN LAT UNDER CLEAR RT REF: **N (b) 0 ft.**
 (56) MIN LAT UNDER CLEAR LEFT: **0 ft.**

******NAVIGATION DATA******

(38) NAVIGATION CONTROL: **0 - No navigation control on waterway**
 (111) PIER PROTECTION: **1 - Navigation protection not required**
 (39) NAVIGATION VERTICAL CLEARANCE: **0.0 ft.**
 (116) VERT-LIFT BRIDGE NAV MIN VERT CLEARANCE: **ft.**
 (40) NAVIGATION HORIZONTAL CLEARANCE: **0.0 ft.**
SUFFICIENCY RATING: 76.30
 STATUS: **2 - Functionally Obsolete**

******CLASSIFICATION******

(112) NBIS BRIDGE LENGTH: **Yes**
 (104) HIGHWAY SYSTEM: **0 - Inventory Route is not on the NHS**
 (26) FUNCTIONAL CLASS: **09 - Local**
 (100) STRAHNET HIGHWAY: **0 - The inventory route is not a STRAHNET route**
 (101) PARALLEL STRU: **N - No parallel structure exists**
 (103) TEMPORARY STRUCTURE: **Not Applicable**
 (102) DIRECTION OF T: **2 - 2-way traffic**
 (105) FEDERAL LANDS HIGHWAYS: **0 - Not applicable**
 (110) DESIGNATED NATIONAL NETWORK: **0 - The inventory route is not part of the national network for trucks**
 (20) TOLL: **3 - On Free Road**
 (21) MAINTAIN: **01 - Not Coded**
 (22) OWNER: **01 - State Highway Agency**
 (37) HISTORICAL SIGNIFICANCE: **5 - Bridge is not eligible for the National Register of Historic Places**

******CONDITION******

(58) DECK: **7**
 (59) SUPERSTRUCTURE: **5**
 (60) SUBSTRUCTURE: **7**
 (61) CHANNEL AND CHANNEL PROTECTION: **7**
 (62) CULVERTS: **N**

******LOAD RATING AND POSTING******

(31) DESIGN LOAD: **4 - H 20**
 (63) OPERATING RATING METHOD: **2 - Allowable Stress**
 (64) OPERATING RATING: **70.0 Tons**
 (65) INVENTORY RATING METHOD: **2 - Allowable Stress**
 (66) INVENTORY RATING: **41.0 Tons**
 (70) BRIDGE POSTING: **5 - Equal to or above the legal loads**
 (41) STRUCTURE OPEN, POSTED OR CLOSED: **A - Open, no restriction**

******APPRAISAL******

(67) STRUCTURAL EVALUATION: **7**
 (68) DECK GEOMETRY: **2**
 (69) UNDERCLEARANCE, VERTICAL & HORIZONTAL: **N**
 (71) WATERWAY ADEQUACY: **8**
 (36) TRAFFIC SAFETY FEATURES: **0000**
 (113) SCOUR CRITICAL BRIDGES: **8**

******PROPOSED IMPROVEMENTS******

(75) TYPE OF WORK: **341**
 (76) LENGTH OF STRUCTURE IMPROVEMENT: **29.5 ft.**
 (94) BRIDGE IMPROVEMENT COST: **\$1,069,000.00**
 (95) ROADWAY IMPROVEMENT COST: **\$0.00**
 (96) TOTAL PROJECTION COST: **\$1,069,000.00**
 (97) YEAR OF IMPROVEMENT COST ESTIMATE: **1995**
 (114) FUTURE ADT: **6661**
 (115) YEAR OF FUTURE ADT: **2030**

******INSPECTIONS******

(90) INSPECTION DATE: **6/24/2011**
 (92) CRITICAL FEATURE INSPECTION:
 (92A) FRACTURE CRITICAL DETAIL: **N**
 (92B) UNDERWATER INSPECTION: **N**
 (92C) OTHER SPECIAL INSP: **N**
(91) FREQUENCY: 24 months
 (93) CFI DATE:
 (93A): **1/1/1901**
 (93B): **10/1/2004**
 (93C): **1/1/1901**

NATIONAL BRIDGE INVENTORY

KENTUCKY INVENTORY AND APPRAISAL REPORT

Use of this document subject to 23 USC SEC 409

(8) STRUCTURE NUMBER: 058B00059N

*******IDENTIFICATION*******

(1) STATE NAME: **KENTUCKY**
 (5) INVENTORY ROUTE (ON/UNDER): **131023780**
 (2) DISTRICT AGENCY DISTRICT: **12**
 (3) COUNTY CODE: **58** (4) PLACE CODE: **1525**
 (6) FEATURES INTERSECTED: **PAINT CREEK**
 (9) LOCATION: **JCT KY321BY-PASS**
 (11) MILE POINT: **0.05**
 (7) FACILITY CARRIED: **KY-2378**
 (12) BASE HIGHWAY NETWORK:
 (13) LRS INVENTORY ROUTE & SUBROUTE:
 (16) LATITUDE: **37.814986415 N DEGREES**
 (17) LONGITUDE: **-82.814595522 W DEGREES**
 (98) BORDER BRIDGE STATE CODE: **Unknown - %SHARED: Unknown**
 (99) BORDER BRIDGE STRUCTURE NUMBER:

*******STRUCTURE TYPE AND MATERIAL*******

(43) STRUCTURE TYPE MAIN: **602 - Prestressed concrete continuous Stringer/Multi-beam or Girder**
 (44) STRUCTURE TYPE APPR: **!Not Applicable -Not Coded**
 (45) NUMBER OF SPANS IN MAIN UNIT: **3**
 (46) NUMBER OF APPROACH SPANS: **0**
 (107) DECK STRUCTURE TYPE: **1 - Concrete Cast-in-Place**
 (108) WEARING SURFACE/PROTECTIVE SYSTEM
 (108A) TYPE OF WEARING SURFACE: **1 - Monolithic Concrete**
 (108B) TYPE OF MEMBRANE: **8 - Unknown**
 (108C) TYPE OF DECK PROTECTION: **8 - Unknown**

*******AGE AND SERVICE*******

(27) YEAR BUILT: **1979**
 (106) YEAR RECONSTRUCTED: **0**
 (42A) TYPE OF SERVICE-ON: **5 - Highway-pedestrian**
 (42B) TYPE OF SERVICE-UNDER: **5 - Waterway**
 (28) LANES ON STRUCTURE: **2** UNDER STRUCTURE: **0**
 (29) AVERAGE DAILY TRAFFIC: **4450**
 (30) YEAR OF ADT: **2010** (109) TRUCK ADT%: **0**
 (19) BYPASS DETOUR LENGTH: **1.2 mi.**

*******GEOMETRIC DATA*******

(48) LENGTH OF MAXIMUM SPAN: **77.1 ft.**
 (49) STRUCTURE LENGTH: **204.1 ft.**
 (50) CURB OR SIDE WALK LEFT: **3.9 ft.** RIGHT: **0.0 ft.**
 (51) BRIDGE ROADWAY WIDTH CURB TO CURB: **34.1 ft.**
 (52) DECK WIDTH OUT TO OUT: **42.3 ft.**
 (32) APPROACH ROADWAY WIDTH (W/SHOULDERS): **24.9**
 (33) BRIDGE MEDIAN: **No**
 (34) SKEW: **0** STRUCTURED FLARED: **No**
 (10) INVENTORY ROUTE MIN VERT CLEAR: **100.0 ft.**
 (47) INVENTORY ROUTE TOTAL HORIZ CLEAR: **33.7 ft.**
 (53) MIN VERT CLEAR OVER BRIDGE RDWY: **99.99 ft.**
 (54) MIN VER UNDER CLEAR REF: **N (b) 0 ft.**
 (55) MIN LAT UNDER CLEAR RT REF: **N (b) 0 ft.**
 (56) MIN LAT UNDER CLEAR LEFT: **0 ft.**

*******NAVIGATION DATA*******

(38) NAVIGATION CONTROL: **0 - No navigation control on waterway**
 (111) PIER PROTECTION: **1 - Navigation protection not required**
 (39) NAVIGATION VERTICAL CLEARANCE: **0.0 ft.**
 (116) VERT-LIFT BRIDGE NAV MIN VERT CLEARANCE: **ft.**
 (40) NAVIGATION HORIZONTAL CLEARANCE: **0.0 ft.**
SUFFICIENCY RATING: 98.60
 STATUS: **0 - Not Deficient**

*******CLASSIFICATION*******

(112) NBIS BRIDGE LENGTH: **Yes**
 (104) HIGHWAY SYSTEM: **0 - Inventory Route is not on the NHS**
 (26) FUNCTIONAL CLASS: **09 - Local**
 (100) STRAHNET HIGHWAY: **0 - The inventory route is not a STRAHNET route**
 (101) PARALLEL STRU: **N - No parallel structure exists**
 (103) TEMPORARY STRUCTURE: **Not Applicable**
 (102) DIRECTION OF T: **2 - 2-way traffic**
 (105) FEDERAL LANDS HIGHWAYS: **0 - Not applicable**
 (110) DESIGNATED NATIONAL NETWORK: **0 - The inventory route is not part of the national network for trucks**
 (20) TOLL: **3 - On Free Road**
 (21) MAINTAIN: **01 - Not Coded**
 (22) OWNER: **01 - State Highway Agency**
 (37) HISTORICAL SIGNIFICANCE: **5 - Bridge is not eligible for the National Register of Historic Places**

*******CONDITION*******

(58) DECK: **7**
 (59) SUPERSTRUCTURE: **7**
 (60) SUBSTRUCTURE: **7**
 (61) CHANNEL AND CHANNEL PROTECTION: **8**
 (62) CULVERTS: **N**

*******LOAD RATING AND POSTING*******

(31) DESIGN LOAD: **5 - HS 20**
 (63) OPERATING RATING METHOD: **2 - Allowable Stress**
 (64) OPERATING RATING: **110.0 Tons**
 (65) INVENTORY RATING METHOD: **2 - Allowable Stress**
 (66) INVENTORY RATING: **72.0 Tons**
 (70) BRIDGE POSTING: **5 - Equal to or above the legal loads**
 (41) STRUCTURE OPEN, POSTED OR CLOSED: **A - Open, no restriction**

*******APPRAISAL*******

(67) STRUCTURAL EVALUATION: **7**
 (68) DECK GEOMETRY: **5**
 (69) UNDERCLEARANCE, VERTICAL & HORIZONTAL: **N**
 (71) WATERWAY ADEQUACY: **8**
 (36) TRAFFIC SAFETY FEATURES: **1111**
 (113) SCOUR CRITICAL BRIDGES: **8**

*******PROPOSED IMPROVEMENTS*******

(75) TYPE OF WORK: **Unknown**
 (76) LENGTH OF STRUCTURE IMPROVEMENT: **0 ft.**
 (94) BRIDGE IMPROVEMENT COST: **\$0.00**
 (95) ROADWAY IMPROVEMENT COST: **\$0.00**
 (96) TOTAL PROJECTION COST: **\$0.00**
 (97) YEAR OF IMPROVEMENT COST ESTIMATE: **2000**
 (114) FUTURE ADT: **5429**
 (115) YEAR OF FUTURE ADT: **2030**

*******INSPECTIONS*******

(90) INSPECTION DATE: **2/18/2010**
 (92) CRITICAL FEATURE INSPECTION:
 (92A) FRACTURE CRITICAL DETAIL: **N**
 (92B) UNDERWATER INSPECTION: **N**
 (92C) OTHER SPECIAL INSP: **N**
(91) FREQUENCY: 24 months
 (93) CFI DATE:
 (93A): **1/1/1901**
 (93B): **1/1/1901**
 (93C): **1/1/1901**